

Enterprise Architecture Glossary – Geocode Additions

SIMM Section 58C

Albers Equal Area Projection – A projection which is specifically designed for maintaining area over shape and direction, particularly over large north-south variation.

Composite Service – a service used to provide a geocode address whereby multiple layers of address data are used in a hierarchy to achieve maximum accuracy.

Coding Accuracy Support System (CASS) – The CASS is the United States Postal Service Coding Accuracy Support System. The CASS enables the USPS to evaluate the accuracy of address-matching software programs and provide grades for vendors of software. In addition, the vendors then have an ability to change and modify their software to increase the accuracy of address-matching functions. Many currently available software packages meet the CASS standard.

Datum – A standard position or level that measurements are taken from. See the Policy below and SIMM Section 59 for the California standard for street addresses.

Geocode – A standardized representation for a location given a textual description of the location like an address, ZIP Code, or place name. The standardized representation is typically an X, Y coordinate and/or a latitude and longitude. Generally speaking, geocode refers only to a street address text description of place.

Geodetic Datum – A standard position or level that measurements are taken from. A datum is used to define projections further, in order to deal with the fact that the earth is not a true sphere. The State of California has codified in [Public Resources Code Section 8850 – 8861](#), the official geodetic datum and reference network for use within the State. State spatial data are required to be collected and stored in this standard.

Projection – A method for representing the surface of a sphere or other shape on a flat two-dimensional plane.